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Vocabulary Builder Reference from...

Helen Farr and Jon Adams: Why is this 2,500 year old shipwreck so well-preserved? | TED Talk https://www.ted.com/talks/helen_farr_and_jon_adams _why_is_this_2_500_year_old_shipwreck_so_well_preserved



All Words

IMPORTANT

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Session 1: Word List

m		n		nt
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n. the middle point of the night, usually defined as 12:00 AM or the start of a new day

synonym: middle of the night, witching hour

(1) midnight snack, (2) midnight shift

I stayed up until midnight watching my favorite movie.

beneath

adv. in or to a lower place than someone or something synonym: down, under, low

(1) the ground **beneath** my feet, (2) **beneath** contempt A great stretch of the lake lay **beneath** them.

remotely

adv. at a distance; not directly or easily accessible

synonym: distantly, remotely, slightly

(1) remotely operate, (2) control remotely

The company can **remotely** access its employees' computers for troubleshooting purposes.

operate

v. to work in a particular way; to supervise something

synonym: work, use, employ

(1) **operate** 24 hours a day, (2) manually **operate** a machine

This machine is too difficult to **operate** for me.

survey

 an investigation of the opinions, behavior, etc. of a particular group of people, made by asking people questions

synonym: study, examination, poll

(1) a comprehensive **survey**, (2) recent **survey**That **survey** shows that people are accepting the tax increase to some extent.

seabed

 the bottom of a sea or ocean; the surface of the sea's bed, which can be rocky, sandy, muddy, or covered with coral or other organisms

synonym: ocean floor, sea bottom

(1) seabed mining, (2) seabed habitat

The dense coral reefs on the **seabed** provide a home for various marine life.

transmit

- v. to send or forward an electronic signal; to pass something from one person or thing to another
- synonym: convey, share, dispatch
- (1) **transmit** the disease, (2) **transmit** information

 Parents often **transmit** their characteristics to their children.

suddenly

adv. quickly and unexpectedly

synonym: abruptly, unexpectedly, unawares

suddenly attacked by an enemy, (2) die suddenly
 Who answers suddenly knows little.

discern

v. to see, perceive, or understand something that is not obvious

synonym: determine, distinguish, sense

discern the big picture, (2) discern friend from foe
 Parents need to help their children discern right and wrong.

vessel

n. a ship or large boat

synonym: boat, ship, craft

(1) blood vessels, (2) naval vessels

The **vessel** arrived in port the following day.

gloom

 a state of darkness, sadness, or melancholy; a feeling of depression or lack of hope; a state of obscurity or uncertainty

synonym: darkness, depression, melancholy

(1) a sense of gloom, (2) gloom-filled room

The **gloom** of the rainy weather was beginning to affect her mood.

relic

n. an object from a previous era, especially one of historical value

synonym: whiff, vestige, antique

(1) historical relic, (2) holy relics

This bronze sword is a **relic** of ancient times.

undoubtedly

adv. without a doubt; certainly; definitely

synonym: surely, unquestionably, indisputably

(1) undoubtedly successful, (2) undoubtedly talented

The singer's talent is **undoubtedly** one of the greatest in the music industry

ancient

adj. relating to the long ago, particularly the historical period preceding the fall of the Western Roman Empire; very old

synonym: archaic, age-old, obsolete

(1) pre-Christian ancient, (2) ancient stories

They have been living near water since **ancient** times.

shipwreck

 the destruction or loss of a ship at sea, usually caused by sinking or running aground; the remains or wreckage of a ship that has been destroyed or lost at sea

synonym: wreckage, ocean disaster

(1) **shipwreck** site, (2) **shipwreck** survivor

Divers discovered the remains of an old **shipwreck** while

exploring the reef.

mast

- n. a long pole aboard a boat or ship that holds up the sails
- (1) mast height, (2) built-up mast

The main cabin is located in front of the **mast**.

row

bench

n. an arrangement of objects or people side by side in a line

synonym: line, sequence, layer

- (1) criminal on death **row**, (2) a **row** of cherry trees He was the leader of the demonstrators and spoke out against the war in the front **row**.
- a long, flat surface, often elevated and supported by legs, used for sitting, working, or displaying objects; persons who administer justice

synonym: seat, terrace, judiciary

(1) bench conference, (2) bench board

I sat on the **bench** in the park and enjoyed the beautiful scenery.

deck

 a flat surface that is usually made of wood or other material and is attached to a building, vehicle, or other structure

synonym: platform, veranda, patio

(1) deck chairs, (2) hands on deck

She sat on the ship's **deck**, watching the sunset over the ocean.

eerily

adv. in a strange, weird, or unsettling manner; suggesting the presence of supernatural or mysterious elements

synonym: spookily, strangely, creepily

(1) **eerily** accurate, (2) **eerily** atmospheric

The abandoned house was **eerily** silent as if someone was watching from within.

intact

adj. undamaged and complete

synonym: flawless, unchanged, entire

(1) intact brain, (2) intact forestland

Despite the scandals, his reputation remained **intact**.

notably

adv. particularly; especially; in a way that is worthy of attention

synonym: particularly, especially, distinctly

(1) improve **notably**, (2) **notably** different

The study found that the treatment was **notably** effective in most cases.

splay

v. to spread out or apart, especially in a disorganized or uneven way; to cause or force something to spread out or expand

synonym: spread out, flare, fan out

(1) **splay** out in a graceful manner, (2) **splay** my hands across his back

The branches of the tree **splayed** outwards, providing a natural canopy.

rudder

n. a flat, vertical blade at the rear of a vessel that can be turned horizontally to steer the vessel by changing its direction of movement; a device used in aircraft to control its yaw (side-to-side movement)

synonym: helm, tiller, steering gear

(1) rudder control, (2) rudder movement

The small boat's **rudder** was damaged in the storm, making it difficult to steer.

blade

n. the flat part of a knife, weapon, or machine with a very thin edge used for cutting

synonym: knife, sword, cutter

(1) a **blade** of grass, (2) the **blade** of a turbine

The **blade** of the katana itself is still in excellent condition.

resemble

- v. to look like or be similar to someone or somethingsynonym: look like, be similar to
- (1) **resemble** each other, (2) **resemble** her mother The brothers **resemble** each other in the hobby.

depict

- v. to illustrate someone or something in a photographsynonym: illustrate, describe, express
- (1) **depict** a scene, (2) **depict** a feeling of isolation His son had accurately **depicted** the bloom.

vase

 a container, typically ornamental, for holding flowers or other decorative objects

synonym: urn, jug, pot

(1) a ceramic **vase**, (2) **vase** pottery

The exquisite **vase** was filled with a bouquet of flowers.

definitive

- adj. serving to provide a final solution or to end a situation;final and not able to be changedsynonym: conclusive, final, decisive
- (1) **definitive** answer, (2) a **definitive** edition

 The study provided **definitive** proof of the effectiveness of the new drug.

wreck

- n. a ship that has sunk or has been destroyed; a vehicle that has been badly damaged in an accidentsynonym: collapse, destruction, devastation
- (1) the house was a **wreck**, (2) a worthless **wreck**The divers accidentally discovered a **wreck** on the ocean floor.

radiocarbon

- a radioactive form of carbon that is used to date ancient biological materials, such as bones or wood, by measuring the amount of carbon-14 remaining in them
 synonym: carbon dating, radiometric dating, carbon-14
- (1) **radiocarbon** decay, (2) **radiocarbon** analysis

 The archaeologists used **radiocarbon** dating to determine

the age of the artifacts.

confirm

- v. to support or establish the truth or certainty of something previously believed or suspected to be the casesynonym: affirm, verify, assure
- (1) **confirm** the diagnosis, (2) **confirm** a transaction Please write to **confirm** your reservation.

origin

- n. the first existence or beginning of somethingsynonym: root, source, ancestor
- origin of information, (2) racial origin
 There are various hypotheses concerning the origin of life.

traverse

- v. to cross or move through a land or water area synonym: cross, pass through, travel over
- (1) **traverse** the region, (2) **traverse** a vast extent of sea Approximately 1000 automobiles **traverse** the bridge every day.

depth

- n. the distance between the top and bottom of something; between the top surface and a distance below itsynonym: deepness, profoundness, extent
- (1) depth camera, (2) the depth of the water
 The pond's depth was around five feet.

unseen

adj. not seen or noticed; not perceived synonym: invisible, hidden, undercover

(1) unseen danger, (2) an unseen force
The consequences of the pandemic remain unseen as scientists continue to research the virus.

undisturbed

adj. not interrupted or interfered with; left alone; peaceful synonym: calm, peaceful, uninterrupted

(1) **undisturbed** sleep, (2) **undisturbed** nature The wildlife reserve is a vital **undisturbed** habitat for endangered species.

discovery

 the act or process of finding information, a place, or an object, or learning about something that was previously not known

synonym: finding, uncovering, detection

(1) a scientific **discovery**, (2) the great **discovery** of the century

Her research team made an important discovery.

byzantine

adj. characterized by a complex and often convoluted administrative system or set of rules; intricate and hard to understand

synonym: complex, convoluted, labyrinthine

(1) Byzantine rites, (2) Byzantine art

The **Byzantine** Empire was known for its complex political system and culture.

empire

- n. a group of countries ruled by one leader or governmentsynonym: imperium, conglomerate, kingdom
- (1) **empire** building, (2) **empire** of the Maya He has built a thriving e-commerce **empire**.

survive

- v. to live or exist despite a dangerous event or period synonym: endure, persist, stay
- (1) **survive** a blizzard, (2) **survive** a plane crash These birds can only **survive** in temperate climates.

remarkable

- *adj.* worthy of attention because unusual or special *synonym*: outstanding, exceptional, extraordinary
- (1) **remarkable** achievement, (2) the **remarkable** breadth of knowledge

The election was a **remarkable** success for the Whigs.

preserve

v. to keep or maintain a particular quality, feature, etc., especially to prevent it from decaying, being damaged, or being destroyed

synonym: conserve, care for, maintain

(1) **preserve** my strength, (2) **preserve** a country's heritage

They worked hard to **preserve** the nature of their native lands.

prehistoric

adj. belonging to or existing in times before recorded history; no longer fashionable

synonym: ancient, primitive, archaic

prehistoric settlements, (2) prehistoric times
 Scientists often fail to date archeological or prehistorical findings.

surrounding

adj. that is near or around, or closely encircling something *synonym*: circumferent, encircling, neighboring

(1) **surrounding** areas, (2) a fence **surrounding** a castle The **surrounding** mountains make the city difficult to be invaded.

settlement

an official agreement that brings an argument to a close;
 the process of establishing permanent residence in a place.

synonym: agreement, accommodation, colonization

(1) the **settlement** of a dispute, (2) **settlement** in a new house

Our goal must be to achieve a peaceful settlement.

eventually

adv. finally, particularly after a long time or a lot of struggle, complications, and so on

synonym: finally, someday, ultimately

(1) **eventually** become obsolete, (2) **eventually** succeed The corporation **eventually** dominated the entire tobacco business.

hub

n. the central or main part of a particular place, activity, network, etc.; the central part of a car wheel, fan, propeller, etc., through which the shaft or axle passes

synonym: center, junction, focal point

(1) a **hub** of commerce, (2) education **hub**

This airport has taken the first step to become an international **hub** airport.

strategy

 a detailed plan of action designed to achieve a long-term or overall goal.

synonym: approach, procedure, scenario

(1) military **strategy**, (2) develop a **strategy**

Our plan includes a comprehensive marketing **strategy**.

merchant

 a person who buys and sells a large number of goods, especially one who imports and exports goods

synonym: dealer, trader, retailer

(1) merchant bank, (2) agricultural merchant

This shipping company has several hundred merchant ships.

pirate

n. (especially in the past) a person who attacks and robs ships at sea

synonym: buccaneer, corsair, privateer

(1) pirate treasure, (2) video pirate

The **pirate** captain ordered his crew to attack the merchant ship.

warrior

n. a person who engaged in or experienced warfare, especially in the past

synonym: fighter, soldier, combatant

(1) armored warrior, (2) warrior spirit

The poem depicts the heroics of a legendary warrior.

sustained

adj. lasting for a long time or continuing for a long time without becoming weaker or less intense

synonym: prolonged, extended, continual

(1) **sustained** economic growth, (2) **sustained** release medication

The company experienced **sustained** growth over the past decade.

seafarer

 a person who works at sea, especially on a merchant ship or a navy vessel; a person who is experienced in sailing or navigating on the sea

synonym: sailor, mariner, navigator

(1) qualified **seafarer**, (2) fellow **seafarer**

The experienced **seafarer** told stories of his adventures on the high seas.

inevitable

adj. certain to happen and unavoidablesynonym: inescapable, unavoidable, sure

(1) **inevitable** changes of the seasons, (2) **inevitable** result In times of recession, an increase in unemployment is **inevitable**.

enclose

v. to surround, as with a fence, wall, or barrier; to put within boundaries; to include

synonym: surround, encase, contain

enclose a check with a letter, (2) enclose area
 The walls were enclosed to create a private outdoor space.

basin

 a natural depression or valley that is circular or oval on the surface of the earth, especially one that has water in it; a container with a bowl form that is typically used to hold food or liquids

synonym: watershed, bowl

(1) inland **basin**, (2) the **basin** of the Great Salt Lake Many of the lakes and marshes in the **basin** are mildly salty.

seasonal

adj. occurring or varying according to the season or time of year; related to or affected by the changing seasonssynonym: periodic, cyclic

(1) **seasonal** allergies, (2) **seasonal** fruits

The pumpkin patch only operates during the **seasonal** fall months.

oxygen

n. the chemical element with the symbol O that is present in air and water and is necessary for people, animals,

and plants to live

(1) the hydrogen binds the oxygen, (2) lack of oxygen The passenger grabbed for the oxygen mask.

saltwater

adj. of or connected with seawater or water containing salt;living in or found in the sea

synonym: marine, naval, maritime

(1) a saltwater fish, (2) saltwater crocodile

The ecosystem upstream of the river significantly impacts the **saltwater** ecosystem downstream.

distinct

adj. noticeable from something else of a similar type

synonym: different, special, characteristic

(1) **distinct** difference, (2) **distinct** from each other It is essential to keep these two issues **distinct**.

dense

adj. containing a large number of people or something with little space between them

synonym: heavy, thick, idiotic

(1) nutrient- dense foods, (2) dense forests

The entire mountain is covered in **dense** rainforest.

freshwater

- adj. living in, found in, or connecting with water that does not contain salt
- (1) **freshwater** area, (2) **freshwater** aquatic bird This microbe is a parasite of **freshwater** fish.

permanent

- adj. lasting for a long time without essential change synonym: lasting, ceaseless, endless
- (1) literature of **permanent** value, (2) **permanent** life insurance

She is searching for a **permanent** residence.

meromictic

adj. relating to a body of water that has distinct layers of water that do not mix, typically due to differences in temperature, salinity, or density synonym: stratified, layered, unstable

(1) meromictic basin, (2) meromictic zone

The **meromictic** lake has layers of water that don't mix due to differences in density and temperature.

saltiness

- n. the quality or state of being salty
- (1) the taste of **saltiness**, (2) enhance the **saltiness**. She tasted the dish and detected a slight **saltiness**.

zone

 a specific area, region, or section that is marked off or defined in some way

synonym: area, region, territory

(1) time **zone**, (2) **zone** defense

He was reluctant to leave his comfort **zone** and try something new.

environment

 the natural world such as air, water, and land in which humans, animals, and plants live

synonym: atmosphere, surroundings, climate

(1) **environment** affairs, (2) chaotic **environment**Every human is responsible for taking care of the Earth's **environment**.

preservation

 the act of keeping something in its original state or of preventing it from being damaged

synonym: conserving, protection, conservancy

(1) wildlife **preservation**, (2) the **preservation** of food The museum had kept the paintings in remarkable **preservation**.

pickle

 vegetables or fruit preserved in salty water or vinegar served cold with meat, salads, etc.; informal terms for a difficult situation

synonym: jam, predicament, quagmire

(1) pickle a cucumber, (2) pickle barrel

The pickle must have an acidity level high enough to inhibit

the growth of bacteria.

jar

 a cylindrical container, typically made of glass, metal, or pottery, with a wide mouth and a screwed or sealed lid, used for storing food, liquids, and other materials

synonym: container, vessel, pot

(1) a jar of jam, (2) a water jar

He placed the coins in a jar to save for a trip.

marine

adj. relating to the sea and the creatures and plants that live there

synonym: sea-dwelling, maritime, aquatic

(1) marine insurance, (2) variety of marine life

Seals and whales are marine animals beloved by the people.

decompose

v. to break down or cause to break down over time into simpler substances or elements

synonym: break down, rot, spoil

(1) **decompose** matter, (2) **decompose** into simpler molecules

After the earthquake, many of the buildings in the city were left in ruins and began to **decompose**.

sink

v. to submerge or go down below the surface of a liquid or substance; to decline or deteriorate; to cause something to go down into a liquid substance or sink into something else

synonym: descend, drop, plummet

(1) sink a lot of capital, (2) sink a buzzer-beater

The abandoned ship slowly began to **sink** into the murky waters of the harbor.

organic

adj. of or derived from biological substance; producing plants and animals for food and other items without the use of synthetic chemicals

synonym: biological

(1) organic soils, (2) eat organic food

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The kidney is an **organic** component of the body.

anaerobic

- adj. living or occurring in the absence of oxygen; relating to or involving a process that does not require oxygensynonym: oxygen-free, without oxygen, anoxic
- (1) **anaerobic** atmosphere, (2) **anaerobic** exercise **Anaerobic** bacteria thrive in environments without oxygen, such as a sealed landfill.

bacteria

- n. single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease
- synonym: microorganism, microbe
- (1) pathogenic **bacteria**, (2) harmless **bacteria Bacteria** prevalent in hospitals are often resistant to antibiotics.

cargo

- n. the goods carried by ship, aircraft, or other vehiclessynonym: shipment, freight, burden
- (1) plenty of **cargo** space, (2) unload the **cargo** During the war, many **cargo** ships were converted into battleships.

carving

- n. the act or process of cutting or shaping a hard material, such as wood or stone, into a specific form or designsynonym: sculpture, engraving, sculpture
- (1) a wood **carving**, (2) **carving** instrument

 The intricate **carving** on the wooden box was the work of a master craftsman.

rig

- v. to prepare or set up something in a certain way, typically in a carefully planned or fraudulent manner; to equip with sails or masts
- synonym: set up, prepare, arrange
- (1) **rig** an election, (2) **rig** a ship with new sails He **rigged** the game so he could win the prize.

assemble

- ν . to collect in one place as a single group
- synonym: gather, congregate, collect
- (1) **assemble** your colleagues, (2) **assemble** a jigsaw puzzle

The president began to **assemble** an army.

medieval

- adj. relating to or belonging to the Middle Age that is for the period of A.D.600 to A.D. 1450
- synonym: gothic, knightly, antique
- (1) medieval times, (2) medieval history

Only the medieval tower remained standing.

virtual

- adj. being actually such in almost every respect; existing in essence or effect though not in actual fact
- *synonym*: practical
- (1) a **virtual** image, (2) trading of **virtual** currencies She is the **virtual** president of the company.

monopoly

- n. exclusive control or possession of something, especially an area of business; a board game in which players try to gain a monopoly on real estate
- synonym: cartel, trust, ownership
- (1) a government **monopoly**, (2) **monopoly** in distribution The government strived to protect its tobacco **monopoly**.

modernize

- v. to bring up to date or make contemporary in style or function; to bring modern methods or resources into an existing organization or system
- synonym: develop, update, upgrade
- (1) **modernize** infrastructure, (2) **modernize** agriculture The company plans to **modernize** its outdated technology and software to improve efficiency.

contemporary

- adj. belonging to the same or present time
- synonym: modern, stylish, coetaneous
- (1) field of contemporary art, (2) contemporary leaders

Contemporary music has gained different followers from existing music.

scholar

 professor; a person who studies a topic in considerable depth, particularly in a university

synonym: professor, pupil, learner

(1) **scholar** in international politics, (2) noted **scholar** You won't have to pay college tuition if you're a **scholar**.

largely

adv. virtually entirely; to a large degree synonym: mainly, chiefly, broadly

(1) **largely** accepted, (2) **largely** mitigate the issue Nevada is **largely** a desert state.

uncover

v. to remove the cover from something; to discover something previously unseen or hidden

synonym: disclose, reveal, unveil

(1) **uncover** a potential problem, (2) **uncover** the truth He continued his investigation and soon **uncovered** another crime.

retain

- v. to keep or continue to possess or maintain something synonym: possess, hold, keep on
- retain information, (2) retain a lawyer
 Computers help people retain specific memories.

degradative

adj. causing degradation or breaking down of a substance or material into smaller or simpler components; relating to or involving the breakdown of organic matter by microorganisms in the absence of oxygen

synonym: deteriorating, degrading, decaying

(1) **degradative** pathways, (2) **degradative** enzymes

The **degradative** process of composting helps turn organic waste into nutrient-rich soil.

gradual

adj. happening slowly over a long period of time or distance; not steep or abrupt

synonym: incremental, gradational, piecemeal

(1) a gradual process, (2) a gradual change

The country experienced a **gradual** increase in population.

lift

v. to raise something to a higher position or level; to pick up something or somebody and move them to a different position

synonym: raise, elevate, move up

(1) lift sagging skin, (2) lift a ban on alcohol

The drought **lifted** the prices of grain globally.

plank

n. a long, flat piece of wood or other material that is used for construction or as a platform; an exercise in which a person holds their body in a straight line supported by their hands and toes

synonym: board, timber, beam

(1) oak plank, (2) plank exercise

He was ordered to walk the **plank** by the pirate captain.

fragile

adj. delicate or easily broken or damaged

synonym: delicate, brittle, breakable

(1) politically fragile nation, (2) fragile ecosystem

The vase was made of **fragile** ceramic and easily broke when it was dropped.

wreckage

 the remains of something that has been destroyed, ruined, severely damaged, or crashed, usually referring to vehicles, buildings, or machinery

synonym: debris, remains, demolition

(1) wreckage recovery, (2) ship wreckage

The **wreckage** of the plane was scattered across the field after the crash.

suspend

v. to stop something from continuing or being in force or effect, either temporarily or permanently; to hang something freely

synonym: stop, postpone, adjourn

(1) **suspend** a decision, (2) **suspend** fruits from the ceiling The University **suspended** the most recalcitrant demonstrators.

Session 2: Spelling

1.	radon decay	n.	a radioactive form of carbon that is used to date ancient biological materials, such as bones or wood, by measuring the amount of carbon-14 remaining in them
2.	trading of viI currencies	adj.	being actually such in almost every respect; existing in essence or effect though not in actual fact
3.	a scientific diry	n.	the act or process of finding information, a place, or an object, or learning about something that was previously not known
4.	din the big picture	<i>v</i> .	to see, perceive, or understand something that is not obvious
5.	meal times	adj.	relating to or belonging to the Middle Age that is for the period of A.D.600 to A.D. 1450
6.	undly successful	adv.	without a doubt; certainly; definitely
7.	pie treasure	n.	(especially in the past) a person who attacks and robs ships at sea
8.	eey accurate	adv.	in a strange, weird, or unsettling manner; suggesting the presence of supernatural or mysterious elements
9.	spy my hands across his back	<i>v</i> .	to spread out or apart, especially in a disorganized or uneven way; to cause

ANSWERS: 1. radiocarbon, 2. virtual, 3. discovery, 4. discern, 5. medieval, 6. undoubtedly, 7. pirate, 8. eerily, 9. splay

or force something to spread out or

expand

ANSWERS: 10. settlement, 11. freshwater, 12. organic, 13. vase, 14. plank, 15. carving, 16. pickle, 17. dense, 18. uncover

29. m_t height

n. a long pole aboard a boat or ship that holds up the sails

adj. not seen or noticed; not perceived

28. un___n danger

ANSWERS: 19. inevitable, 20. seabed, 21. discovery, 22. prehistoric, 23. preserve, 24. resemble, 25. ancient, 26. cargo, 27. meromictic, 28. unseen, 29. mast

ANSWERS: 30. sustained, 31. decompose, 32. operate, 33. plank, 34. fragile, 35. scholar, 36. distinct, 37. environment, 38. survive, 39. ancient, 40. sink

substance or sink into something else

ANSWERS: 41. definitive, 42. splay, 43. remarkable, 44. zone, 45. vessel, 46. gradual, 47. unseen, 48. empire, 49. jar, 50. notably, 51. decompose, 52. rudder

ANSWERS: 53. rudder, 54. dense, 55. byzantine, 56. undisturbed, 57. virtual, 58. traverse, 59. contemporary, 60. saltwater, 61. eerily, 62. monopoly

ANSWERS: 63. origin, 64. degradative, 65. remarkable, 66. retain, 67. enclose, 68. modernize, 69. strategy, 70. uncover, 71. blade, 72. row

73. the ble of a turbine	n.	the flat part of a knife, weapon, or machine with a very thin edge used for cutting
74. rele each other	v.	to look like or be similar to someone or something
75. ve pottery	n.	a container, typically ornamental, for holding flowers or other decorative objects
76. beh conference	n.	a long, flat surface, often elevated and supported by legs, used for sitting, working, or displaying objects; persons who administer justice
77. blood vels	n.	a ship or large boat
78. manually ope a machine	v.	to work in a particular way; to supervis something
79. meric basin	adj.	relating to a body of water that has distinct layers of water that do not mix, typically due to differences in temperature, salinity, or density
80. degve enzymes	adj.	causing degradation or breaking down of a substance or material into smaller or simpler components; relating to or involving the breakdown of organic matter by microorganisms in the absence of oxygen
81. evely succeed	adv.	finally, particularly after a long time or a lot of struggle, complications, and so o
82. lay mitigate the issue	adv.	virtually entirely; to a large degree

ANSWERS: 73. blade, 74. resemble, 75. vase, 76. bench, 77. vessel, 78. operate, 79. meromictic, 80. degradative, 81. eventually, 82. largely

the first existence or beginning of 83. or n of information n. something 84. wildlife pre____ion the act of keeping something in its n. original state or of preventing it from being damaged 85. literature of pe nt value adj. lasting for a long time without essential change 86. sc___r in international politics professor; a person who studies a topic n. in considerable depth, particularly in a university 87. video pi___e (especially in the past) a person who n. attacks and robs ships at sea adj. delicate or easily broken or damaged 88. fr___e ecosystem 89. agricultural me____nt a person who buys and sells a large n. number of goods, especially one who imports and exports goods 90. no y different adv. particularly; especially; in a way that is worthy of attention an investigation of the opinions, 91. a comprehensive su y n. behavior, etc. of a particular group of people, made by asking people **questions** 92. field of con____ary art adj. belonging to the same or present time 93. the set nt of a dispute an official agreement that brings an n. argument to a close; the process of establishing permanent residence in a place. a natural depression or valley that is 94. inland ba__n circular or oval on the surface of the earth, especially one that has water in it; a container with a bowl form that is

ANSWERS: 83. origin, 84. preservation, 85. permanent, 86. scholar, 87. pirate, 88. fragile, 89. merchant, 90. notably, 91. survey, 92. contemporary, 93. settlement, 94. basin

typically used to hold food or liquids

95. control rely	adv.	at a distance; not directly or easily accessible
96. lay accepted	adv.	virtually entirely; to a large degree
97. surng areas	adj.	that is near or around, or closely encircling something
98. asle a jigsaw puzzle	<i>v</i> .	to collect in one place as a single group
99. unded nature	adj.	not interrupted or interfered with; left alone; peaceful
100. qualified seer	n.	a person who works at sea, especially on a merchant ship or a navy vessel; a person who is experienced in sailing or navigating on the sea
101. seal allergies	adj.	occurring or varying according to the season or time of year; related to or affected by the changing seasons
102. asle your colleagues	<i>v</i> .	to collect in one place as a single group
103. preic times	adj.	belonging to or existing in times before recorded history; no longer fashionable
104. lack of oxn	n.	the chemical element with the symbol O that is present in air and water and is necessary for people, animals, and plants to live
105. s_k a lot of capital	v.	to submerge or go down below the surface of a liquid or substance; to decline or deteriorate; to cause something to go down into a liquid substance or sink into something else
106. the preion of food	n.	the act of keeping something in its original state or of preventing it from being damaged

ANSWERS: 95. remotely, 96. largely, 97. surrounding, 98. assemble, 99. undisturbed, 100. seafarer, 101. seasonal, 102. assemble, 103. prehistoric, 104. oxygen, 105. sink, 106. preservation

107. the de h of the water the distance between the top and n. bottom of something; between the top surface and a distance below it 108. d k chairs a flat surface that is usually made of n. wood or other material and is attached to a building, vehicle, or other structure exclusive control or possession of 109. a government mo____ly n. something, especially an area of business; a board game in which players try to gain a monopoly on real estate the chemical element with the symbol O 110. the hydrogen binds the ox n n. that is present in air and water and is necessary for people, animals, and plants to live 111. de___t a feeling of isolation to illustrate someone or something in a ν. photograph 112. r g an election to prepare or set up something in a ν. certain way, typically in a carefully planned or fraudulent manner; to equip with sails or masts a long pole aboard a boat or ship that 113. built-up m__t n. holds up the sails 114. sa____er crocodile adj. of or connected with seawater or water containing salt; living in or found in the sea an arrangement of objects or people 115. criminal on death r w side by side in a line 116. me___al history adj. relating to or belonging to the Middle Age that is for the period of A.D.600 to A.D. 1450

ANSWERS: 107. depth, 108. deck, 109. monopoly, 110. oxygen, 111. depict, 112. rig, 113. mast, 114. saltwater, 115. row, 116. medieval

117. a sense of gl m a state of darkness, sadness, or n. melancholy; a feeling of depression or lack of hope; a state of obscurity or uncertainty a flat surface that is usually made of 118. hands on d k n. wood or other material and is attached to a building, vehicle, or other structure an object from a previous era, 119. historical re__c especially one of historical value 120. recent su___y an investigation of the opinions, behavior, etc. of a particular group of people, made by asking people questions the quality or state of being salty 121. the taste of sa ss n. 122. pe____nt life insurance adj. lasting for a long time without essential change 123. variety of ma___e life adj. relating to the sea and the creatures and plants that live there adj. living in, found in, or connecting with 124. fre er area water that does not contain salt 125. en____e area to surround, as with a fence, wall, or ν. barrier; to put within boundaries; to include 126. re____ly operate adv. at a distance; not directly or easily accessible to raise something to a higher position 127. I ta ban on alcohol or level; to pick up something or somebody and move them to a different position

ANSWERS: 117. gloom, 118. deck, 119. relic, 120. survey, 121. saltiness, 122. permanent, 123. marine, 124. freshwater, 125. enclose, 126. remotely, 127. lift

Vocab-Builder Ref from "Helen Farr and Jon Adams: Why is this 2,500 year old shipwreck so well-preserved? | TED Talk" (97 words)

ANSWERS: 128. gloom, 129. wreckage, 130. empire, 131. jar, 132. hub, 133. anaerobic, 134. suddenly, 135. surrounding, 136. pickle

ANSWERS: 137. suspend, 138. seafarer, 139. strategy, 140. bacteria, 141. byzantine, 142. warrior, 143. suspend, 144. carving

to keep or maintain a particular quality, 145. pr ve a country's heritage ν. feature, etc., especially to prevent it from decaying, being damaged, or being destroyed the quality or state of being salty 146. enhance the sa ss n. 147. an____ic exercise adj. living or occurring in the absence of oxygen; relating to or involving a process that does not require oxygen 148. die su____ly adv. quickly and unexpectedly 149. di n friend from foe to see, perceive, or understand something that is not obvious 150. a worthless wr__k a ship that has sunk or has been n. destroyed; a vehicle that has been badly damaged in an accident adj. relating to the sea and the creatures 151. ma___e insurance and plants that live there a person who buys and sells a large 152. me___nt bank n. number of goods, especially one who imports and exports goods 153. I t sagging skin to raise something to a higher position ν. or level; to pick up something or somebody and move them to a different position 154. a def____ve edition adj. serving to provide a final solution or to end a situation; final and not able to be changed 155. sh ck site the destruction or loss of a ship at sea, usually caused by sinking or running aground; the remains or wreckage of a ship that has been destroyed or lost at

ANSWERS: 145. preserve, 146. saltiness, 147. anaerobic, 148. suddenly, 149. discern, 150. wreck, 151. marine, 152. merchant, 153. lift, 154. definitive, 155. shipwreck

sea

156. plenty of cao space	n.	the goods carried by ship, aircraft, or other vehicles
157. a grI change	adj.	happening slowly over a long period of time or distance; not steep or abrupt
158. det a scene	v.	to illustrate someone or something in a photograph
159. evely become obsolete	adv.	finally, particularly after a long time or a lot of struggle, complications, and so on
160. miht snack	n.	the middle point of the night, usually defined as 12:00 AM or the start of a new day
161. r_g a ship with new sails	v.	to prepare or set up something in a certain way, typically in a carefully planned or fraudulent manner; to equip with sails or masts
162. wrge recovery	n.	the remains of something that has been destroyed, ruined, severely damaged, or crashed, usually referring to vehicles, buildings, or machinery
163. harmless baia	n.	single-celled or noncellular spherical or spiral or rod-shaped organisms that exist in large numbers in the air, water, and soil, and also in living and dead creatures and plants, and are often a cause of disease
164. trit information	ν.	to send or forward an electronic signal; to pass something from one person or thing to another
165. beh board	n.	a long, flat surface, often elevated and supported by legs, used for sitting, working, or displaying objects; persons who administer justice

ANSWERS: 156. cargo, 157. gradual, 158. depict, 159. eventually, 160. midnight, 161. rig, 162. wreckage, 163. bacteria, 164. transmit, 165. bench

166. undly talented	adv.	without a doubt; certainly; definitely
167. moze infrastructure	ν.	to bring up to date or make contemporary in style or function; to bring modern methods or resources into an existing organization or system
168. holy recs	n.	an object from a previous era, especially one of historical value
169. seal fruits	adj.	occurring or varying according to the season or time of year; related to or affected by the changing seasons
170. com the diagnosis	ν.	to support or establish the truth or certainty of something previously believed or suspected to be the case
171. trse the region	<i>v</i> .	to cross or move through a land or water area
172. int forestland	adj.	undamaged and complete
173. com a transaction	<i>v</i> .	to support or establish the truth or certainty of something previously believed or suspected to be the case
174. eat orc food	adj.	of or derived from biological substance; producing plants and animals for food and other items without the use of synthetic chemicals
175. beh contempt	adv.	in or to a lower place than someone or something
176. deh camera	n.	the distance between the top and bottom of something; between the top surface and a distance below it

ANSWERS: 166. undoubtedly, 167. modernize, 168. relic, 169. seasonal, 170. confirm, 171. traverse, 172. intact, 173. confirm, 174. organic, 175. beneath, 176. depth

177. radon analysis	n.	a radioactive form of carbon that is used to date ancient biological materials, such as bones or wood, by measuring the amount of carbon-14 remaining in them
178. envnt affairs	n.	the natural world such as air, water, and land in which humans, animals, and plants live
179. sue a plane crash	v.	to live or exist despite a dangerous event or period
180. inele result	adj.	certain to happen and unavoidable
181. ren information	v.	to keep or continue to possess or maintain something
182. the ban of the Great Salt Lake	n.	a natural depression or valley that is circular or oval on the surface of the earth, especially one that has water in it; a container with a bowl form that is typically used to hold food or liquids
183. the house was a wrk	n.	a ship that has sunk or has been destroyed; a vehicle that has been badly damaged in an accident
184. trit the disease	ν.	to send or forward an electronic signal; to pass something from one person or thing to another
185. education h_b	n.	the central or main part of a particular place, activity, network, etc.; the central part of a car wheel, fan, propeller, etc., through which the shaft or axle passes
186. armored war	n.	a person who engaged in or experienced warfare, especially in the past

ANSWERS: 177. radiocarbon, 178. environment, 179. survive, 180. inevitable, 181. retain, 182. basin, 183. wreck, 184. transmit, 185. hub, 186. warrior

а

187. sued release medication	adj.	lasting for a long time or continuing for a long time without becoming weaker or less intense
188. sed habitat	n.	the bottom of a sea or ocean; the surface of the sea's bed, which can be rocky, sandy, muddy, or covered with coral or other organisms
189. the ground beh my feet	adv.	in or to a lower place than someone or something
190. shck survivor	n.	the destruction or loss of a ship at sea, usually caused by sinking or running aground; the remains or wreckage of a ship that has been destroyed or lost at sea
191. ze defense	n.	a specific area, region, or section that is marked off or defined in some way
192. miht shift	n.	the middle point of the night, usually defined as 12:00 AM or the start of a new day
193. dict from each other	adj.	noticeable from something else of a similar type
194. int brain	adj.	undamaged and complete

ANSWERS: 187. sustained, 188. seabed, 189. beneath, 190. shipwreck, 191. zone, 192. midnight, 193. distinct, 194. intact

Session 3: Fill in the Blanks

1.	The must have an acidity level high enough to inhibit the growth of bacteria.
n.	vegetables or fruit preserved in salty water or vinegar served cold with meat, salads, etc.; informal terms for a difficult situation
2.	The divers accidentally discovered a on the ocean floor.
n.	a ship that has sunk or has been destroyed; a vehicle that has been badly damaged in an accident
3.	The mountains make the city difficult to be invaded.
adj	that is near or around, or closely encircling something
4.	The process of composting helps turn organic waste into nutrient-rich soil.
adj	 causing degradation or breaking down of a substance or material into smaller or simpler components; relating to or involving the breakdown of organic matter by microorganisms in the absence of oxygen
5.	The of the plane was scattered across the field after the crash.
n.	the remains of something that has been destroyed, ruined, severely damaged, or crashed, usually referring to vehicles, buildings, or machinery
6.	The study provided proof of the effectiveness of the new drug.
adj	serving to provide a final solution or to end a situation; final and not able to be changed
7.	There are various hypotheses concerning the of life.
n.	the first existence or beginning of something
	SWERS: 1. pickle, 2. wreck, 3. surrounding, 4. degradative, 5. wreckage, 6. initive, 7. origin

ıb-Build	ler Ref from "Helen Farr and Jon Adams: Why is this 2,500 year old shipwreck so well-preserved? TED Talk" (97 wor
91.	The corporation dominated the entire tobacco business.
adv	finally, particularly after a long time or a lot of struggle, complications, and so on
92.	The government strived to protect its tobacco
n.	exclusive control or possession of something, especially an area of business; a board game in which players try to gain a monopoly on real estate
93.	Scientists often fail to date archeological or findings.
adj.	belonging to or existing in times before recorded history; no longer fashionable
94.	This machine is too difficult to for me.
<i>v</i> .	to work in a particular way; to supervise something
95.	He was ordered to walk the by the pirate captain.
n.	a long, flat piece of wood or other material that is used for construction or as a platform; an exercise in which a person holds their body in a straight line supported by their hands and toes
96.	He was reluctant to leave his comfort and try something new.
n.	a specific area, region, or section that is marked off or defined in some way
97.	The walls were to create a private outdoor space.
<i>v</i> .	to surround, as with a fence, wall, or barrier; to put within boundaries; to include
	SWERS: 91. eventually, 92. monopoly, 93. prehistorical, 94. operate, 95. plank, zone, 97. enclosed